

**Notice of Allowability**

Application No.

10/088,957

Examiner

JAMES C KERVEROS

Applicant(s)

FEY ET AL.

Art Unit

2133

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed October 28, 2004.
2. ☒ The allowed claim(s) is/are 19,20 and 23-25, Renumbered as Claims 1-5.
3. ☒ The drawings filed on 28 October 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All b) ☐ Some\* c) ☐ None of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

*Grey J. Lamarre*  
Primary Examiner

**DETAILED ACTION**

1. This Office Action is in response to Amendment filed October 28, 2004, in reply to the Office Action dated July 26, 2004.

Claims 1-18, 21 and 22 have been cancelled. Claim 25 has been added.

***Drawings***

2. The drawings were received on October 28, 2004. These drawings are acceptable.

***Allowable Subject Matter***

3. Claims 19, 20, 23-25 are allowed. Renumbered as claims 1-5.

**EXAMINER'S AMENDMENT**

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Joseph V. Coppola, Sr., Attorney for Applicant, on January 27, 2005.

The application has been amended as follows:

In the Amendment filed October 28, 2004,

Claim 19, the last paragraph, in lines 11-13, has been deleted and replaced with the following new paragraph:

"a CRC arithmetic register for storing four data words as one memory word using a multiplexer, wherein said CRC arithmetic register calculates the memory word and stores the memory word in an associated CRC register".

### REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance:

The prior arts of record taken alone or in combination fail to teach, anticipate, suggest or render obvious the claimed invention recited in the independent claims below:

Claim 19, *inter alia*, recites a circuit configuration for storing data words in a RAM module, including a plurality of registers, "wherein the number of registers in the plurality of registers is determined by including one CRC register for each four data words, a CRC arithmetic register for storing four data words as one memory word using a multiplexer, wherein said CRC arithmetic register calculates the memory word and stores the memory word in an associated CRC register".

Claim 25, *inter alia*, recites a circuit configuration for storing data words in a RAM module, including a global check bit word register for storing a global check bit word, the bits of which are respectively determined from equal digits of all data words, and an associated register for storing a check bit word which is determined from the contents of the global register.

Consequently, independent claims 19 and 25 are allowed over the prior arts of record. Claims 20, 23 and 24 are depended upon claim 19 and therefore are also allowable.

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6. Claims 22 and 24, previously objected to in the prior Office Action because of allowable subject matter, have been incorporated in the independent claims 19 and 25, respectively.

7. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

**Conclusion**

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES C KERVEROS whose telephone number is (571) 272-3824. The examiner can normally be reached on 9:00 AM TO 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (571) 272-3819. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

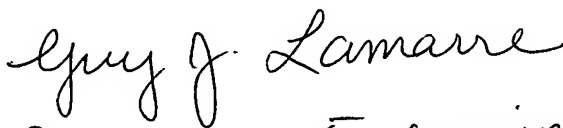
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Date: 27 January 2005  
Office Action: Allowance

By: 

JAMES C KERVEROS  
Examiner  
Art Unit 2133

  
Primary Examiner